

ABSTRACT

Lube base stocks and lube stock compositions, as well as a process for preparing lube base stocks and lube stock compositions, are disclosed. The lube oils preferably have a viscosity index above about 115. The process involves obtaining feedstocks that have a 95% point below 1150°F and feedstocks that have 95% point above 1150°F. The feedstocks that have a 95% point below 1150°F are catalytically dewaxed, and the feedstocks that have 95% point above 1150°F are solvent dewaxed. The resulting products can optionally be blended, and the base stocks can be combined with various additives to form lube oil compositions. Hydrotreatment can optionally be performed on the lube base stocks to remove olefins, oxygenates and other impurities. In one embodiment, one or more of the fractions are obtained from Fischer-Tropsch synthesis. One or more of the fractions can also be obtained from other sources, for example, via distillation of crude oil, provided that the fractions do not include appreciable amounts (i.e., amounts which would adversely affect the catalyst used for catalytic isodewaxing) of thiols or amines. The individual fractions can also include combinations of feedstocks, from Fischer-Tropsch and other sources.